Ple	ase	print or type. (Form designed for use on elite (12-pitch) typewriter.)			Foi	rm Approved, ON	IB No. 205	50-0039.
A		UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator's UNIFORM A D 9 8	SEPAID No. Manif	ment No.	2. Page of			he shaded areas by Federal law.
	3.	Generator's Name and Mailing Address ALASKAN COPPER WORKS P.O. Box 3546, Seattle, WA 98124			Manifest Doo		Number	
	_	Generator's Phone (206) 382-8379	(26) 648-842	3	1.044			Figure 1. The same
	i i	Transporter 1 Company Name	6. US EPA ID Numbe			Transporter's Sporter's Pho	and the short of the same	
	7.	Transporter 2 Company Name	8. US EPA ID Numbe		E. State	Transporter's sporter's Phor	iD.	1) (x23-376
		Designated Facility Name and Site Address World Resources Company	10. US EPA ID Numbe	er	G. State Facility's ID			
		8113 West Sherman Street	AZD980735	5 5 0 0	H. Facil	ity's Phone 🛭	00-9	72-1955
	L	Phoenix, Arizona 85043		: 				
GE	<u>_</u>	. US DOT Description (Including Proper Shipping Name, Hai		12. Conta No.	Type	13. Total Quantity	Unit Wt/Vol	Naste No.
N E R	a.	RQ, Hazardous waste, solid, (F006), 9, NA3077, III	n.o.s.,	B.A. 1.	C F	1 2 2 A	Р	F006
TOR	b.	RQ, Hazardous waste, solid, (D007), 9, NA3077, III	n.o.s.,	01.2.60) M	2.15.41.8	р	D007
	C.							
	d.			n sampa		e despera e Sas		
	4.	Additional Descriptions for Materials Listed Above Additional Descriptions for Materials Listed Above Additional Descriptions and Additional Information of the Chemical Company code WORK (Use CHEMTREC company code WORK	00-424-9300 CHEMTE	REC				Listed Above
	16	GENERATOR'S CERTIFICATION: I hereby declare that the contents of proper shipping name and are classified, packed, marked, and labeled, according to applicable international and national government regulation if I am a large quantity generator, I certify that I have a program is economically practicable and that I have selected the practicable future threat to human health and the environment; OR, if I am a the best waste management method that is available to me and that I	and are in all respects in proper cons. in place to reduce the volume and method of treatment, storage, or commall quantity generator, I have m	ndition for tra toxicity of widisposal curre	insport by hi vaste genera ently availat	ighway ated to the deg ble to me which	minimiz	es the present and
lacksquare	į	Printed/Typed Name	Signature /		ng alpha program washe assessed New York	Tidaya (1984)	Λ 7	fonth Day Year
Ţ	17	. Transporter 1 Acknowledgement of Receipt of Materials	- Company					6
A		Printed/Typed Name	Signature				N I	fonth Day Year
P	1	. Transporter 2 Acknowledgement of Receipt of Materials	- Gally,	Car	′> *	Jeff.	2 L	all lab
RTER	10	Printed/Typed Name	Signature				n I	fonth Day Year
TRAZSPORTER FACILIT	.19	. Discrepancy Indication Space						
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	20	. Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by	this manife	st except	as noted in Ite	m 19.	
Ť		Printed/Typed Name	Signature					Ionth Day Year
s	tvle (OF 17 LABELMASTER, AN AMERICAN LABELMARK CO., CHICAGO, IL 60646	(800)621-5808		EDA Form	9700 22 (Pay 9	OO \ Droudo	us editions are obsolete.



GENERATOR COPY

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s., (F006)



TAKON FROM CUIDE 174 OF THE 1996 NORTH AMERICAN EMERCENCY RESPONSE CUIDESOOK (Underlines examples sirguy o shemadaa (lisecisood)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- · Some may burn, but none ignite readily.
- . Some may polymerize (P) explosively when heated or involved in a fire.
- · Containers may explode when heated.
- · Some may be transported hot.

HEALTH

- · Inhalation of material may be harmful.
- · Contact may cause burns to skin and eyes.
- · Inhalation of Asbestos dust may have a damaging effect on the lungs.
- · Fire may produce irritating, corrosive and/or toxic gases.
- Runoff from fire control may cause pollution.

PUBLIC SAFETY

- CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR").
- Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
- · Keep unauthorized personnel away.
- · Stay upwind.

PROTECTIVE CLOTHING

- · Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1.2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fires

• Dry chemical, CO2, water spray or regular foam.

Large Fires:

- · Water spray, fog or regular foam.
- Move containers from fire area if you can do it without risk.
- · Do not scatter spilled material with high pressure water streams.
- · Dike fire-control water for later disposal.

Fire Involving Tanks:

- Cool containers with flooding quantities of water until well after fire is out.
- · Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

- . Do not touch or walk through spilled material.
- · Stop leak if you can do it without risk.
- · Prevent dust cloud.
- · Avoid inhalation of asbestos dust.

Small Dry Spills

- With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area. Small Spills
- Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
 Large Spills
- · Dike far ahead of liquid spill for later disposal.
- Cover powder spill with plastic sheet or tarp to minimize spreading.
- · Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

- · Move victim to fresh air.
- · Call emergency medical care.
- · Apply artificial respiration if victim is not breathing.
- · Administer oxygen if breathing is difficult.
- · Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s. (D007)

1996 NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

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POTENTIAL HAZARDS

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- · Stay upwind.

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EMERGENCY RESPONSE

FIRE

Small Fires

Dry chemical, CO2, water spray or regular foam.

Large Fires:

- · Water spray, log or regular foam.
- · Move containers from fire area if you can do it without risk.
- Do not scatter spilled material with high pressure water streams.
- · Dike lire-control water for later disposal.

Fire Involving Tanks:

- . Cool containers with flooding quantities of water until well after fire is out.
- · Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank,
- · ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

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- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

AZE WAC BY 8/36

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	9800 (
Date of Shipment:	1-14-98	

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatment Standards			
Number	Constituent	Constituent Group		CFR Reference	Prohibition Level		
D007	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43			
				,	,		

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	98001	
Date of Shipment:	1-14-98	

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatment Standards			
Number	Constituent		Group	CFR Reference	Prohibition Level		
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43			
·							

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90 Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of emergencies during shipping that Involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

Section 1

PRODUCT - MATERIAL IDENTIFICATION

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge DOT Shipping Name: RO, Hazardous waste, solid, n.o.s., (F006) Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake

DOT Hazard Class: 9 Packaging Group III DOT Identification Number: NA 3077

DOT Emergency Response Guide 31 Applies Section 2 HAZARDOUS INGREDIENTS

Appendix of the second				GOS MIGHEDIEM 12
Ingredient:	CAS Number:	Content %:	ACGIH-TLY	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/m3 (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/m3 (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m3 (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-5 4-9	0-10	6.0 mg/m3 (Dust)	LD-50 3,160 mg/kg

Section 3

Description: Solid, Clay-like Clumps,

Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 1 to 1.4 Solubility: Insoluble in water Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known Vapor Pressure: Insignificant

Stability: Avoid contact with acids Polymerization: Will not occur

PHYSICAL AND REACTIVITY DATA

Boiling Point: Above 2600°C Melting Point: Above 1800°C

pH: 7.0 to 10.0 Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Oxidation: Non-oxidizing Flashpoint: Nonflammable Special Firefighting Procedures: None Product Decomposition. (Due to Fire or Explosion): None

Explosive: Non-explosive Fire Diamond



Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

TOXICITY Route of Entry: Inhalation and Ingestion

Section 6

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconcious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The souipment should include eye protection, respirator and

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended. Rand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or respansibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 15001 sixth ave south Company Name and Address: 34

Sonature:

AZF-WRC 9/93

Material Safety Data Sheet

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

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Section 1

PRODUCT - MATERIAL IDENTIFICATION

Environmental Protection Agency (EPA) Waste Classification: D007 Generic Name: Chromium metal bearing sludge

Chemical Family: Non-Ferrous metal particulates

Synonym: Metallic Residues From High Frequency Burning Table

DOT Shipping Name: RO, Hazardous Waste, Solid, n.o.s. (D007)

DOT Hazard Class: 9 : Packing Group: III DOT Identification Number: NA 3077

DOT Emergency Response Guide 31 Applies

HAZARDOUS INGREDIENTS

Section 2

ingredient: CAS Number: Content %: Toxicology: ACGIH-TLV 7429-90-5 Aluminum 0-5 10 mg/m 3 No Data Available 7440-47-3 Chromium 0-15 2.75 mg/kg (Rat, Oral) 0.5 mg/m 3 7440-50-8 Copper 0-10 0.35 mg/kg (Mouse, Oral) 1.0 mg/m 3 7440-02-0 Nickel 0-10 1.0 mg/m 3 No Data Available 7440-66-6 Zinc 0-5 No Data Available none established

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Moist, Sandy consistency

Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0 Solubility: Insoluble in water

Density: 100 to 150 lbs/cu/ft Incompatible Reactivity: Extreme heat sources, Oxidants

Vapor Pressure: Insignificant

Stability: Avoid contact with acids, extreme heat

Polymerization: Will not occur Boiling Point: Above 2000°C

Meiting Point: Above 1000°C pH: 7.0 to 10.0

HEALTH EFFECTS AND FIRST AID

Odor: Nil

Section 4

AND EXPLOSION DATA

Flashpoint: Nonflammable, under normal conditions Special Firefighting Procedures: Dry Chemical

Oxidation: Non-oxidizing Explosive: Non-explosive

Product Decomposition. . . . (Due to Fire or Explosion): Hydrogen gas, ZnO (under extreme external heat) Fire Diamond



Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel) Route of Entry: Inhalation and Incestion

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended.

Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

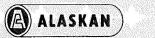
This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 1800/ Telephone: (206) 823-580 hate: 1-/4-98 recyclable material listed on the attached Manifest Number: 7800/ Telephone Company Name and Address: Alaskan Copper Works 628 Hanford st. Telephone: . Seattle Wa 98134 Company Name and Address: .

Signature:



GENERAL INTERNAL PURCHASE REQUISITION

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GENERAL INTERNAL PURCHASE REQUISITION

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